

The following Listing of the Claims will replace all prior versions and all prior listings of the claims in the present application:

Listing of the Claims:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)

18. (Cancelled)

19. (Previously Presented) A method of isolating a stem cell from a pancreatic islet of Langerhans, comprising the steps of:

(a) removing a pancreatic islet from a donor;

(b) culturing cells from the pancreatic islet under conditions wherein said cultured cells comprise nestin-positive cells which have migrated from said islet;

(c) and selecting said nestin-positive cells from the culture.

20. (Cancelled)

21. (Previously Presented) The method of claim 19 comprising the additional step of:

(d) expanding the nestin-positive cells by treatment with an agent selected from the group consisting of EGF, bFGF-2, high glucose, KGF, HGF/SF, GLP-1, exendin-4, IDX-1, a nucleic acid molecule encoding IDX-1, betacellulin, activin A, TGF- β , and combinations thereof.

22. (Previously Presented) A method of inducing the differentiation of an isolated nestin-positive pancreatic stem cell into a pancreatic progenitor cell, comprising the step of:

treating a nestin-positive pancreatic stem cell with an agent selected from the group consisting of EGF, bFGF-2, high glucose, KGF, HGF/SF, IDX-1, a nucleic acid molecule encoding IDX-1, GLP-1, exendin-4, betacellulin, activin A, TGF- β , and combinations thereof, whereby the stem cell subsequently differentiates into a pancreatic progenitor cell.

23. (Original) The method of claim 22, wherein the pancreatic progenitor cell subsequently forms pseudo-islet like aggregates.

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Cancelled)

39. (Cancelled)

40. (Cancelled)

41. (Cancelled)

42. (Previously Presented) The method of claim 19, wherein said migrated cells from step b form a monolayer.

43. (Previously Presented) A method of isolating a stem cell from a pancreatic islet of Langerhans, comprising the steps of:

- (a) removing a pancreatic islet from a donor;
- (b) culturing cells from the pancreatic islet in a first vessel coated with concanavalin A to separate concanavalin A adherent and non-adherent cells;
- (c) transferring said non-adherent cells from step (b) to a second vessel not coated with concanavalin A;
- (d) culturing cells from step (c) in said second vessel to produce a cell culture;
- (e) selecting a nestin-positive cell from step (d) to produce an isolated stem cell.

44. (Cancelled)